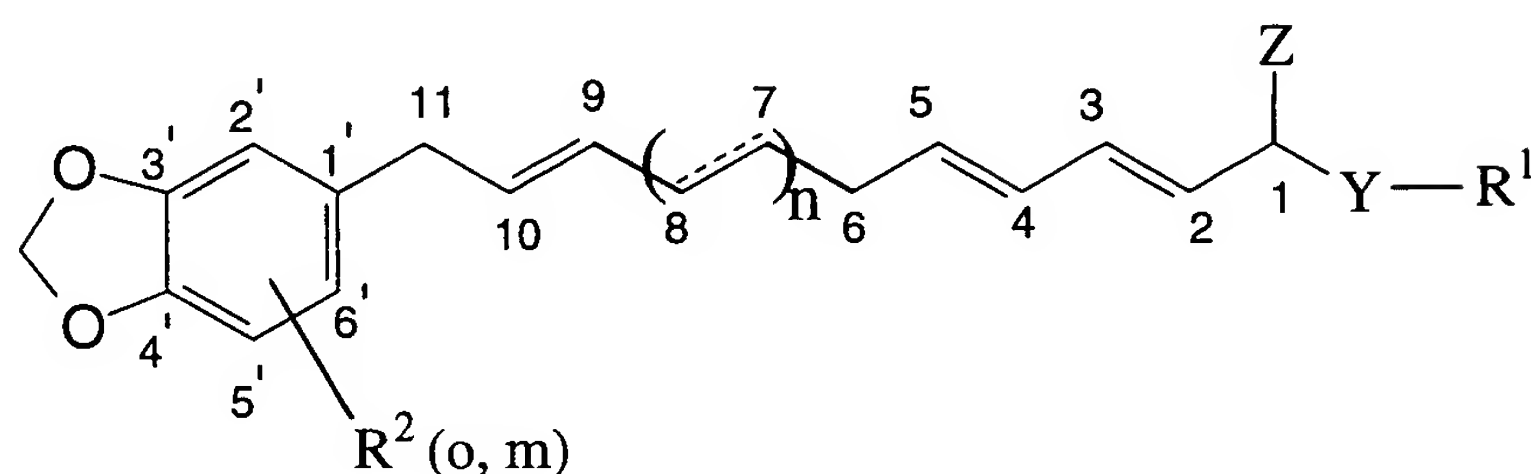


WHAT IS CLAIMED IS:

1. A compound having the following structure of Formula I:



wherein R^1 is selected from the group consisting of hydrogen, C_{1-10} alkyl and aromatic cyclic group,

R^2 is selected from the group consisting of hydrogen, OR^3 , NH_2 , NHR^3 , and halogen,

Z is selected from the group consisting of $=O$, OH, NHR^3 , SH, and SR^3 ,

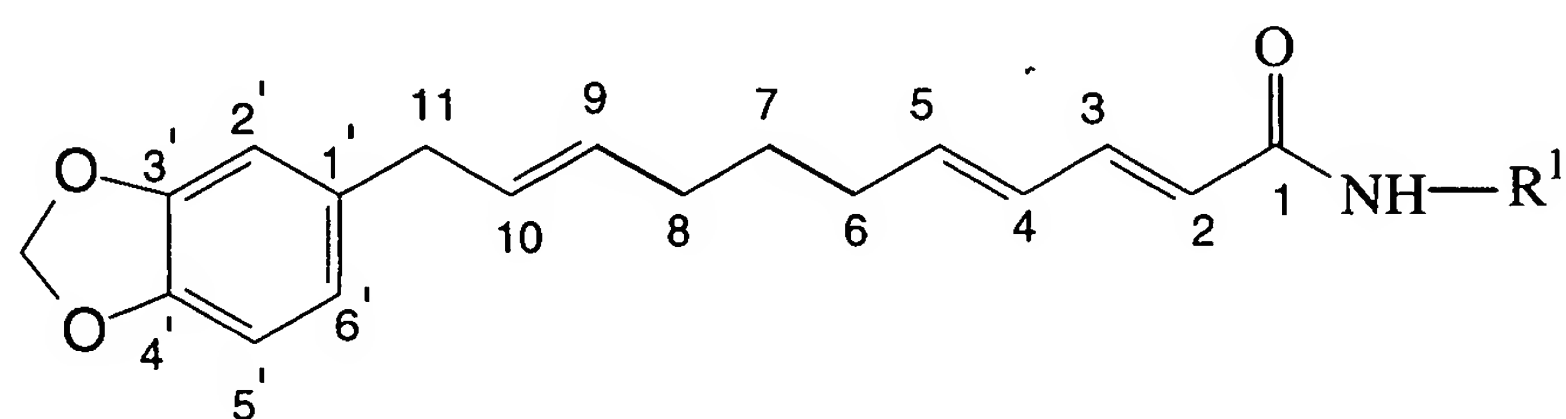
wherein R^3 is C_{1-10} alkyl or aromatic cyclic group,

$(C_7-C_8)_n$ includes at least one single bond or at least one double bond, and

n is an integer having a value of from 0 to 10.

2. The compound according to claim 1 wherein Y is selected from the group consisting of NH, NR^3 -, O, and S.

3. A compound having the following structure of Formula II:



wherein R¹ is t-butyl group [-CH₂-CH(CH₃)₂].

4. A pharmaceutical composition comprising an effective amount of the compound as claimed in claim 1 together with at least one pharmaceutically acceptable excipient.
5. The pharmaceutical composition of claim 4 in oral form.
6. The pharmaceutical composition of claim 4 in intravenous form.
7. The pharmaceutical composition of claim 4 in subcutaneous form.
8. The pharmaceutical composition of claim 4 in intramuscular form.
9. The pharmaceutical composition of claim 4 in inhalation form.
10. The pharmaceutical composition according to claim 4, wherein said compound is chemically modified compound.
11. The chemically modified compound according to claim 10, wherein said compound is a salt.
12. The chemically modified compound according to claim 10, wherein said compound is a prodrug;
13. A method of obtaining a compound as claimed in claim 1, comprising extracting the compound from *Piper laetispicum* of Piperaceae family.
14. A method of treating a disease characterized as mental disorder, comprising administering to a patient with said disease an effective amount of a compound as claimed in claim 1.
15. The method of claim 14, wherein the disease is depression.
16. The method of claim 14, wherein the disease is psychopathic disease.
17. The method of claim 14, wherein the disease is Alzheimer's disease.
18. A method of alleviating a symptom characterized as inflammation and pain, comprising administering to a subject with said symptom an effective amount of a compound as claimed in claim 1.